



FOR TRIANGLE, ELECTRIC  
CURRENTS ARE CALCULATED  
FROM VERTEXES TO  
OPPOSITE SIDE DIRECTIONS



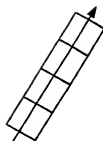
FOR QUADRILATERAL,  
ELECTRIC CURRENTS IN  
OPPOSITE SIDE  
DIRECTIONS ARE  
CALCULATED

FIG. 1 PRIOR ART



FOR TRIANGLE, ELECTRIC  
CURRENT FLOWS UNEVENLY,  
AND PROPAGATION DELAY  
OCCURS  
(ANALYSIS ACCURACY: LOW)

FIG. 2A PRIOR ART



FOR QUADRILATERAL,  
ELECTRIC CURRENT  
SMOOTHLY FLOWS  
(ANALYSIS ACCURACY: HIGH)

FIG. 2B PRIOR ART

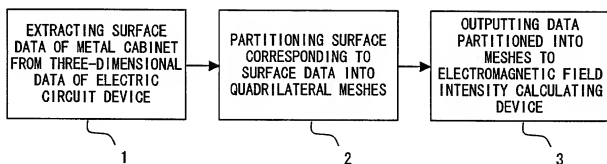


FIG. 3

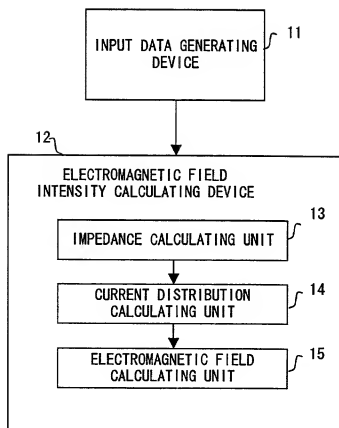


FIG. 4

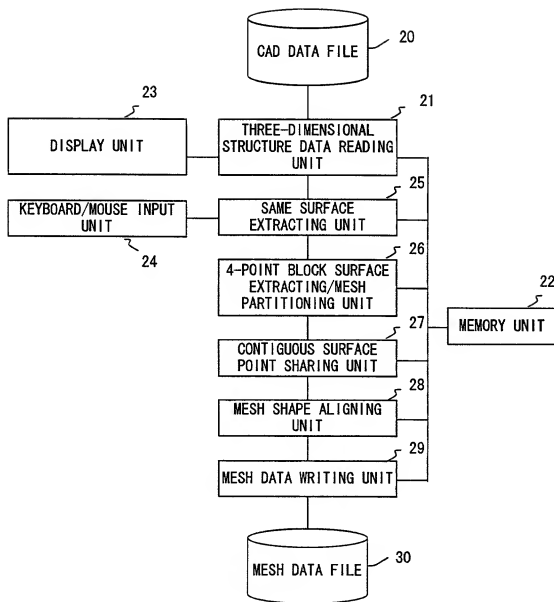


FIG. 5

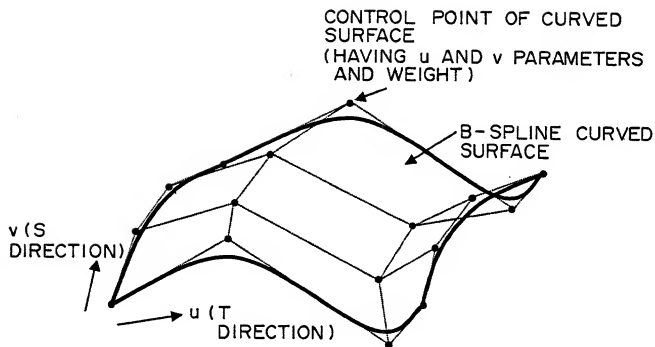


FIG. 6

NAME	SUMMARY
ENTITY ID	SURFACE NUMBER OF B-SPLINE CURVED SURFACE
K1	SUPERSCRIPIT OF TOTAL SUM SYMBOL IN S DIRECTION
K2	SUPERSCRIPIT OF TOTAL SUM SYMBOL IN T DIRECTION
M1	ORDER OF BASE FUNCTION
M2	ORDER OF BASE FUNCTION
PROP1	PARAMETER 1 INDICATING STATE OF CURVED SURFACE
PROP2	PARAMETER 2 INDICATING STATE OF CURVED SURFACE
PROP3	PARAMETER 3 INDICATING STATE OF CURVED SURFACE
PROP4	PARAMETER 4 INDICATING STATE OF CURVED SURFACE
PROP5	PARAMETER 5 INDICATING STATE OF CURVED SURFACE
S(-M1)	NOT SEQUENCE VALUE IN S DIRECTION
~	
T(-M2)	NOT SEQUENCE VALUE IN T DIRECTION
~	
W(0,0)	WEIGHT
~	
X(0,0)	SPATIAL COORDINATE VALUE OF EACH CONTROL POINT(X)
Y(0,0)	SPATIAL COORDINATE VALUE OF EACH CONTROL POINT(Y)
Z(0,0)	SPATIAL COORDINATE VALUE OF EACH CONTROL POINT(Z)
~	
U(0)	START VALUE IN S DIRECTION
U(1)	END VALUE IN S DIRECTION
V(0)	START VALUE IN T DIRECTION
V(1)	END VALUE IN T DIRECTION

F I G. 7

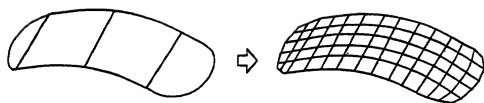


FIG. 8



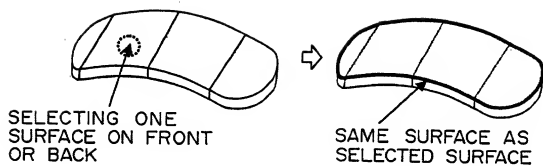


FIG. 9

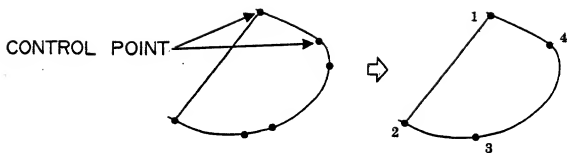


FIG. 10

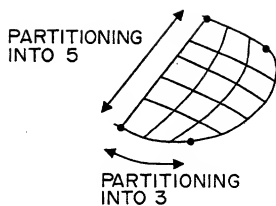


FIG. 11

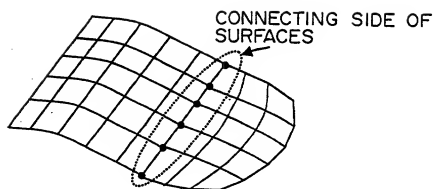


FIG. 12

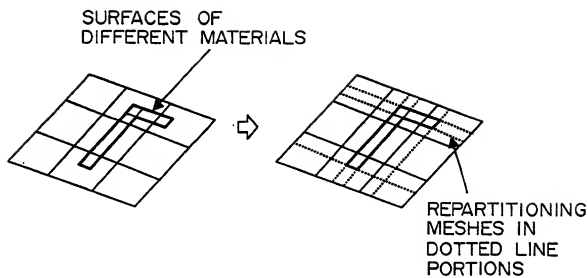


FIG. 13

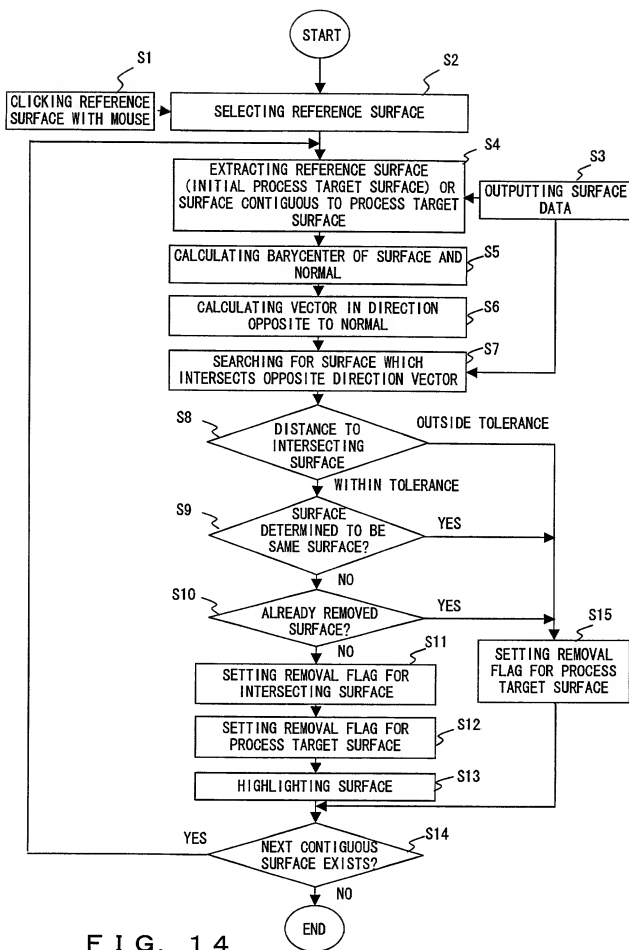


FIG. 14

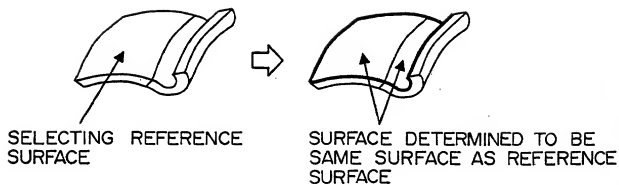


FIG. 15

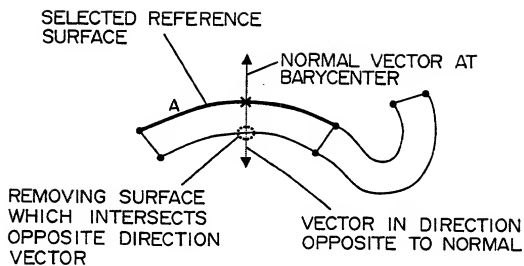


FIG. 16



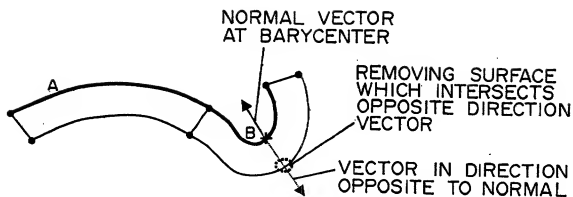


FIG. 17

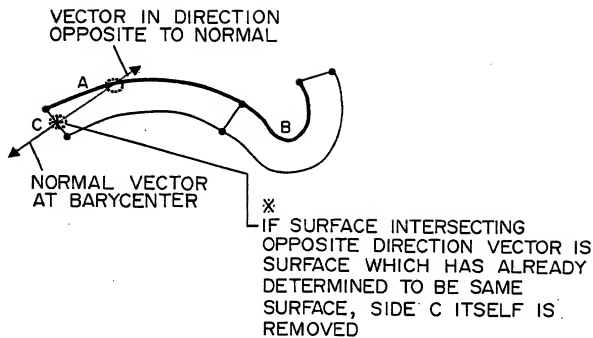


FIG. 18

SURFACES A AND B ARE  
FINALLY DETERMINED  
TO BE SAME SURFACE

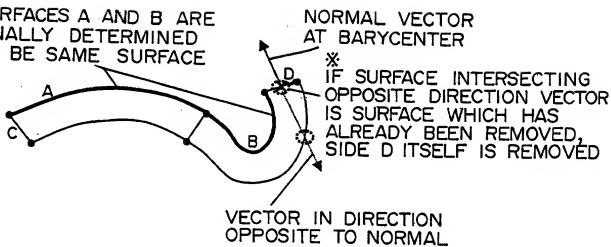


FIG. 19

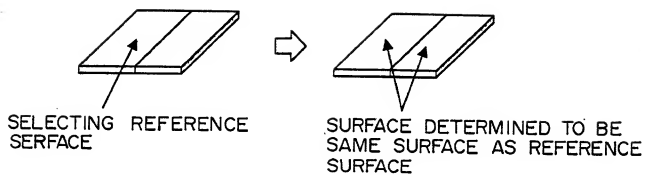
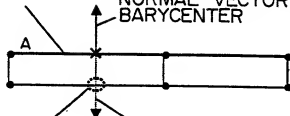


FIG. 20

10057887.012902

SELECTED REFERENCE  
SURFACE

NORMAL VECTOR AT  
BARYCENTER



REMOVING SURFACE WHICH  
INTERSECTS OPPOSITE  
DIRECTION VECTOR

VECTOR IN DIRECTION  
OPPOSITE TO NORMAL

FIG. 21

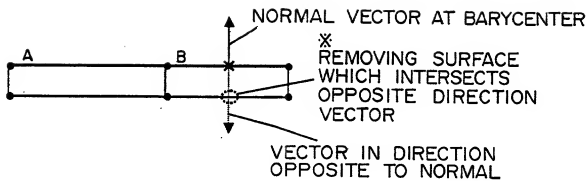


FIG. 22

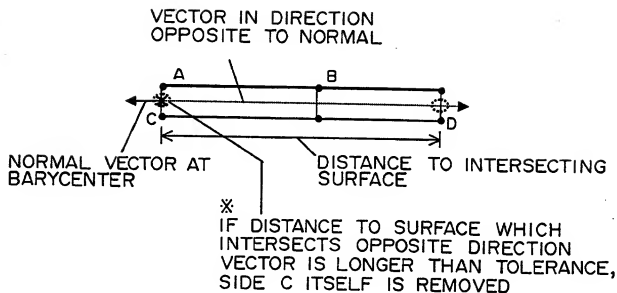


FIG. 23

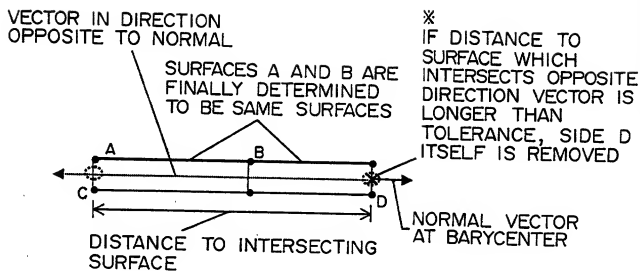


FIG. 24



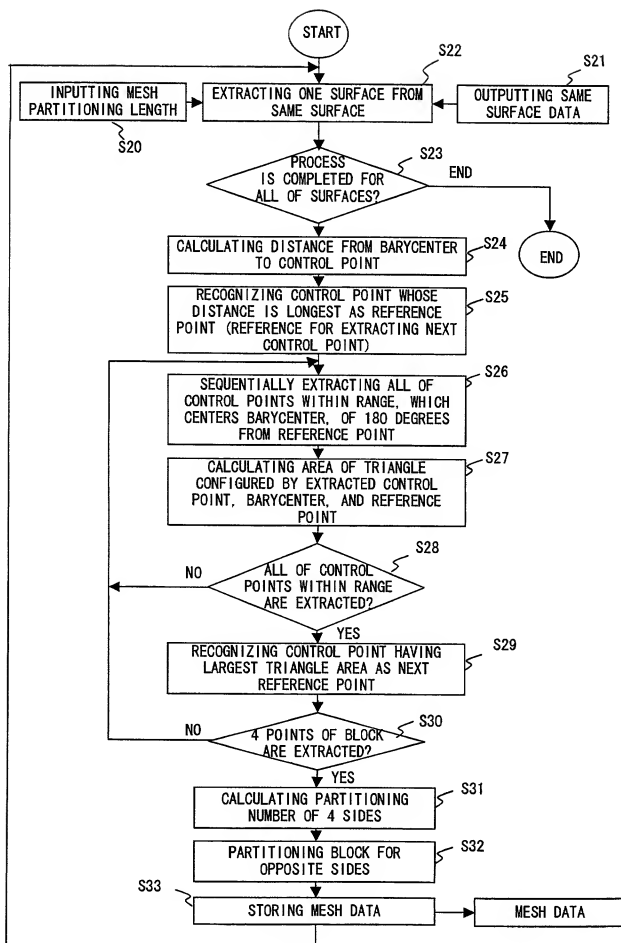


FIG. 25

FIRST REFERENCE POINT  
WHOSE DISTANCE FROM  
BARYCENTER IS DETERMINED  
TO BE LONGEST

BARYCENTER

SECOND VERTEX OF  
4-POINT BLOCK

RANGE OF 180 DEGREES  
FROM REFERENCE POINT A

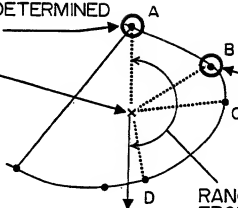


FIG. 26

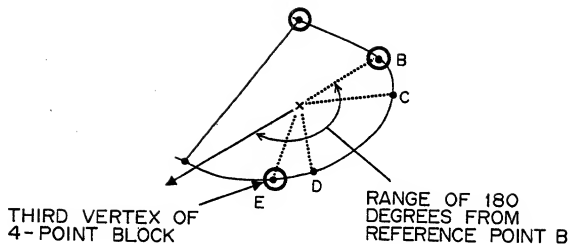


FIG. 27

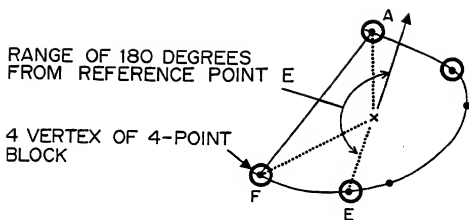
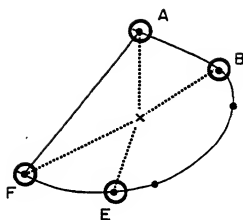


FIG. 28



○ 4 CIRCLED POINTS  
FINALLY REMAIN

FIG. 29

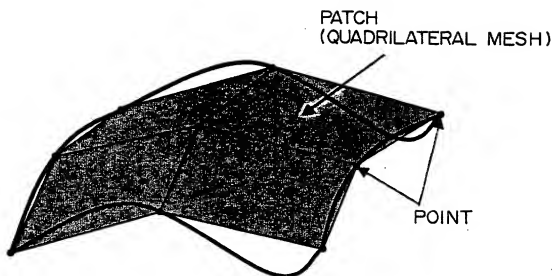


FIG. 30

COORDINATE SPECIFICATION DATA OF POLYGON VERTEX: \$point

&lt;KEYWORD - STATEMENT&gt;

\$point

&lt;DATA - STATEMENT&gt;

Point no.	POINT NUMBER
X	X COORDINATE VALUE
Y	Y COORDINATE VALUE
Z	Z COORDINATE VALUE

&lt;DESCRIPTION EXAMPLE&gt;

\$point

1 0.035 0.012 0.8

SPECIFICATION DATA OF POLYGON CONFIGURING POINT: \$patch

&lt;KEYWORD - STATEMENT&gt;

\$patch

&lt;DATA - STATEMENT&gt;

Patch no.	PATCH NUMBER
Point 1	POINT NUMBER WHICH BECOMES FIRST CONFIGURING POINT OF PATCH
Point 2	POINT NUMBER WHICH BECOMES SECOND CONFIGURING POINT OF PATCH
Point 3	POINT NUMBER WHICH BECOMES THIRD CONFIGURING POINT OF PATCH
Point 4	POINT NUMBER WHICH BECOMES FOURTH CONFIGURING POINT OF PATCH

&lt;DESCRIPTION EXAMPLE&gt;

\$patch

1 10 11 12 13

FIG. 31

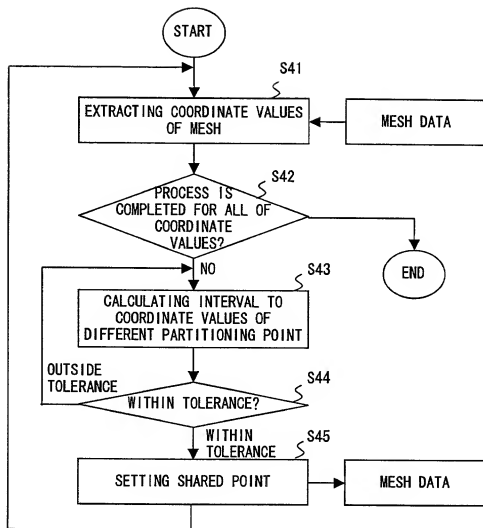


FIG. 32



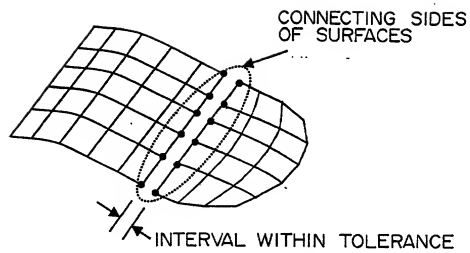


FIG. 33

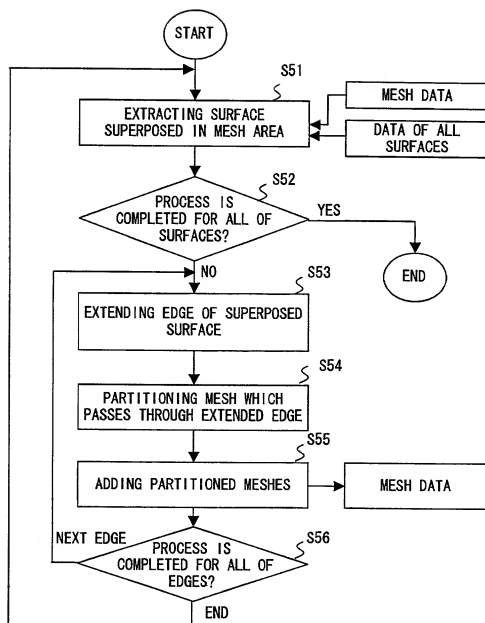


FIG. 34

MESHES ARE REPARTITIONED  
IN DOTTED LINE PORTIONS

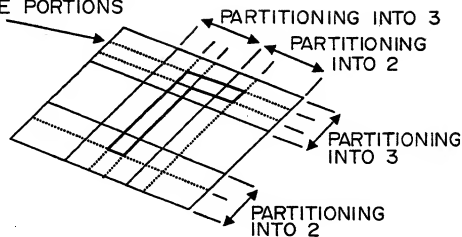


FIG. 35

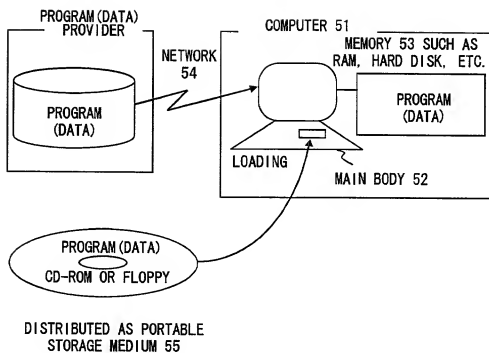


FIG. 36